

**SIGNAL AMPLIFICATION CIRCUIT AND PROCESS FOR
NEUTRALIZING NOISE FROM A POWER SUPPLY VOLTAGE**

Abstract of the Disclosure

An amplification circuit is provided for the signal output from a microphone in which the signal is amplified by a differential structure amplifier. The 5 circuit includes the pull-up voltage, which initializes the operating state of the microphone, being coupled to a first input of the differential structure amplifier and to a second input of the differential structure amplifier through a pull-up resistor.